



*Indiana Department of Homeland Security  
Installation Process for  
Radio, Lights and Sirens*

*Prepared by:  
Don West  
Emergency Response Division  
Communications Director*

*January 2008*

## Intended Audience

This guide is intended to be used by any IDHS staff responsible for outfitting vehicles with mobile radios, emergency lights or sirens.

## Overview

The steps required to complete this process are relatively simple.

1. Determine the mobile communication equipment and console needed.
2. Determine the appropriate emergency lighting needed.
3. Determine the needed removal and installations needed.
4. Create Requests for Expenditures (RFEs).
5. Schedule the installation.

## Selection of Communications Equipment

In most instances, the necessary communications equipment for a vehicle will be a matter of transferring existing equipment from the vehicle being de-commissioned to the new vehicle. In this case, simply see the “Installations” section of this document.

At this time, the communications equipment used falls into four categories.

1. VHF Equipment (155 MHz).
2. Project SAFE-T (800 MHz statewide trunking system).
3. Satellite Radio/Phone.
4. Computer based air cards capable of voice and data communications via cellular systems

(In the next few years, we expect that nationwide broadband communications will be available via public/private partnership utilizing 700 MHz. As details become available, equipment purchases should be planned to accommodate this service.)

If you need assistance in the selection of the appropriate equipment, the Communications Branch is available to help with these decisions.

In addition, our installer stocks a line of consoles of better quality than we have been using in the past, Jotto. Communications has a catalog and price list of this line and can assist with selection of a console. Or, Communications usually has a number of “field-tested” consoles available at no cost.

## Selection of Emergency Safety Lighting, Emergency Lights and Sirens

The Communications Branch recommends emergency safety lighting (forward flashing headlights and rearward white strobe flashers) for all IDHS vehicles used in the field on a regular basis.

Emergency Traffic Lights and Sirens should only be used by first responders according to the attached regulations in appendix A.

The State of Indiana has a Quantity Purchase Agreement (QPA) with Steven R. Jenkins Co. Inc. 317 352-0184 which covers most needed emergency lighting equipment. The most current information can be found at: <http://www.in.gov/idoa/proc/QPA/9841.pdf> . Guidance on the selection of the correct items and information about other specialized items may be purchased from them by calling Steven R. Jenkins at 317-352-0184 or the number listed at this site.

### Installation Process

IDHS now has a QPA for installations with Advantage Ford, Lincoln Mercury. They have sub-contracted the actual work to:

Patriot Enterprises  
9200D E. 146<sup>th</sup> Street  
Noblesville, IN

POC: Kurt Murray  
Phone: 317 774-7575  
FAX: 317 774-7576  
7:00 AM to 7:00 PM

(Maps and directions are attached or can be found at:

<http://maps.google.com/maps?f=d&hl=en&geocode=&saddr=402+W+Washington+St,+Indianapolis,+IN&daddr=9200+E+146th+St,+Noblesville,+Hamilton,+Indiana+46060,+United+States&mra=pe&mrcr=0&sll=39.884123,-86.087558&sspn=0.45734,0.925598&ie=UTF8&ll=39.88445,-86.084747&spn=0.45734,0.925598&z=10&om=0>

Attached is a copy of our QPA listing installations and costs. These items should cover most, but not all, installations needed. Installations not on this list will require you to contact Patriot Enterprises for a quotation.

For any installation of a 155 MHz or 800 MHz radio, a new antenna is recommended.

Once you have determined your installation needs, you should use these figures to generate your RFE for the installation.

When your equipment arrives, call Patriot Enterprises (above) and schedule your installation.

If you drop off your car in the morning, Patriot Enterprises will provide transportation to the IGC. You will need to make your own arrangements to get back.

**When you pick up your vehicle, please inspect the work, if you are satisfied, sign the invoice. Return you copy to Communications. Communications will forward it to A/P and send you a customer service survey.  
If you encounter any problems, please let Don West, 317-232-3849 know.**

### **Directions to Patriot Enterprises**

Start address: 402 W Washington St Indianapolis, IN 46204 End address:  
9200 E 146th St Noblesville, IN 46060

Start at: 402 W Washington St Indianapolis, IN 46204

1. Head west on W Washington St toward N West St - 125 ft
2. Turn right at N West St - 0.6 mi
3. Continue on N Dr Martin Luther King Jr St - 0.5 mi
4. Take the I-70 E/I-65 S ramp - 0.5 mi
5. Merge onto I-65 S - 0.8 mi
6. Take exit 112A to merge onto I-70 E toward Columbus O. - 5.2 mi
7. Take exit 89 to merge onto I-465 N/IN-37 N/US-421 N/US-52 W - 8.0 mi
8. Take exit 37 to merge onto I-69 N/IN-37 N toward Ft. Wayne Continue to follow I-69 N - 4.8 mi
9. Take exit 5 for IN-37 N/116th St - 0.2 mi
10. Slight left at IN-37 N (signs for IN-37 N/Noblesville) - 3.5 mi
11. Turn left at E 146th St - 0.2 mi

Arrive at: Patriot Enterprises, 9200D E 146th St Noblesville, IN 46060

There office is in the small industrial park, north of 146<sup>th</sup> St. Look for an Eagle painted on their door.

|                                   |                              |
|-----------------------------------|------------------------------|
| Qty Purchase Agreement QPA Number | Page                         |
| 00000000000000000000000010422     | 1 of 6                       |
| Requisition Nbr.:                 | AS48-8-32 Radio Installation |
| Effective Date:                   | 12/15/2007                   |
| Expiration Date:                  | 12/14/2008                   |
| Agency Number:                    |                              |
| Facility:                         | IDHS-Emergency Response Veh  |
| Vendor Federal ID:                | 352070473                    |
| Vendor Telephone Nbr:             | 765-825-0594                 |
| Name Of Contact Pers:             | VAUNI BLAUT                  |
| FAX Number:                       | 765-827-0362                 |

Name and Address of Vendor: ADVANTAGE FORD LINCOLN MERCURY  
Cnct: VAUNI BLAUT  
SERVICE INC  
PO BOX 639  
CONNERSVILLE IN 47331

| Line Number | Quantity | UNIT | Article and Description | Unit Price |
|-------------|----------|------|-------------------------|------------|
|-------------|----------|------|-------------------------|------------|

Actual Services will be performed at the following location:  
14775-B Herriman Boulevard  
Noblesville, IN 46060

Unit price listed is the amount for the estimated time to complete this service.  
Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00

Unit price listed is the amount for the estimated time to complete this service.

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|                          |                              |            |        |
|--------------------------|------------------------------|------------|--------|
| Qty                      | Purchase Agreement           | QPA Number | Page   |
| 000000000000000000000000 |                              | 10422      | 3 of 6 |
| Requisition Nbr.:        | ASA8-8-32 Radio Installation |            |        |
| Effective Date:          | 12/15/2007                   |            |        |
| Expiration Date:         | 12/14/2008                   |            |        |
| Agency Number:           |                              |            |        |
| Facility:                | IDHS-Emergency Response Veh  |            |        |
| Vendor Federal ID:       | 352070473                    |            |        |
| Vendor Telephone Nbr:    | 765-825-0594                 |            |        |
| Name Of Contact Pers:    | VAUNI BLAUT                  |            |        |
| FAX Number:              | 765-827-0362                 |            |        |

Name and Address of Vendor: ADVANTAGE FORD LINCOLN MERCURY  
Cnct: VAUNI BLAUT  
SERVICE INC  
PO BOX 639  
CONNERSVILLE IN 47331

| Line Number | Quantity      | UNIT                  | Article and Description   | Unit Price |
|-------------|---------------|-----------------------|---|------------|
|             |               |                       | of \$33.00  |            |
| 9           | 99,999,999.00 | HUR000000000100048653 | Remove three dash mounted Motorola 800, 155, or 42 MHz transceiver and associated wires, cables, antennas and associated parts necessary for proper re-installation from vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - One hour at a cost of \$44.00   | 44.0000    |
| 10          | 99,999,999.00 | HUR000000000100048654 | Install one dash mounted Motorola 800, 155, or 42 MHz transceiver and associated wires, cables, antennas and associated parts necessary for proper installation in vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - One hour at a cost of \$55.00 (\$11.00 included for miscellaneous parts)<br>Car must be included for materials    | 55.0000    |
| 11          | 99,999,999.00 | HUR000000000100048655 | Install two dash mounted Motorola 800, 155, or 42 MHz transceiver and associated wires, cables, antennas and associated parts necessary for proper installation in vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - Two hours at a cost of \$65.00 (\$22.00 included for miscellaneous parts)<br>Car must be included for materials   | 65.0000    |
| 12          | 99,999,999.00 | HUR000000000100048656 | Install three dash mounted Motorola 800, 155, or 42 MHz transceiver and associated wires, cables, antennas and associated parts necessary for proper installation in vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1.5 hours at a cost of \$97.50 (\$33.00 included for miscellaneous parts)<br>Car must be included for materials | 97.5000    |
| 13          | 99,999,999.00 | HUR000000000100048657 | Remove one satellite phone, associated wiring, cables, and parts necessary for proper re-installation from vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00  | 22.0000    |
| 14          | 99,999,999.00 | HUR000000000100048658 | Install one satellite phone, associated wiring, cables, and accessories in vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - One hour at a cost of \$55.00 (\$11.00 included for miscellaneous parts)<br>Car must be included for materials  | 55.0000    |

State Form 9955(R9/8-02)-Electronic Version-Approved by State Board Of Accounts, 2002

|  |                             |
|--|-----------------------------|
| Qty Purchase Agreement QPA Number              | Page                        |
| 0000000000000000000000010422                   | 4 of 6                      |
| Requisition Nbr.: ASA8-8-32 Radio Installation |                             |
| Effective Date: 12/15/2007                     |                             |
| Expiration Date: 12/14/2008                    |                             |
| Agency Number:                                 |                             |
| Facility:                                      | IDHS-Emergency Response Veh |
| Vendor Federal ID:                             | 352070473                   |
| Vendor Telephone Nbr:                          | 765-825-0594                |
| Name Of Contact Pers:                          | VAUNI BLAUT                 |
| FAX Number:                                    | 765-827-0362                |

Name and Address of Vendor: ADVANTAGE FORD LINCOLN MERCURY  
Cnct: VAUNI BLAUT  
SERVICE INC  
PO BOX 639  
CONNERSVILLE IN 47331

| Line Number | Quantity      | UNIT                  | Article and Description   | Unit Price |
|-------------|---------------|-----------------------|---|------------|
| 15          | 99,999,999.00 | HUR000000000100048659 | Remove one light bar, associated wiring, control devices and parts necessary for proper re-installation<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00   | 22.0000    |
| 16          | 99,999,999.00 | HUR000000000100048660 | Install one light bar, associated wiring, control devices and accessories<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - Two hours at a cost of \$109.80 (\$21.80 included for miscellaneous parts)<br>Car must be included for materials   | 109.8000   |
| 17          | 99,999,999.00 | HUR000000000100048661 | Remove one siren or audio warning device, associated hardware, wiring, control device and parts necessary for proper re-installation from vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00   | 22.0000    |
| 18          | 99,999,999.00 | HUR000000000100048662 | Install one siren or audio warning device, associated hardware, wiring, control device and parts necessary for proper installation in vehicle<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - One hour at a cost of \$64.80 (\$20.80 included for miscellaneous parts)<br>Car must be included for materials | 64.8000    |
| 19          | 99,999,999.00 | HUR000000000100048663 | Remove one mobile mount for laptop computer and associated fasteners and parts<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00  | 22.0000    |
| 20          | 99,999,999.00 | HUR000000000100048664 | Install one mobile mount for a laptop computer and associated fasteners and parts<br><br>Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00   | 22.0000    |
| 21          | 99,999,999.00 | HUR000000000100048665 | Remove one radio console, mounting hardware and parts necessary for proper re-installation from vehicle   | 22.0000    |

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|                                   |                              |
|-----------------------------------|------------------------------|
| Qty Purchase Agreement QPA Number | Page                         |
| 00000000000000000000000010422     | 5 of 6                       |
| Requisition Nbr.:                 | AS48-8-32 Radio Installation |
| Effective Date:                   | 12/15/2007                   |
| Expiration Date:                  | 12/14/2008                   |
| Agency Number:                    |                              |
| Facility:                         | IDHS-Emergency Response Veh  |
| Vendor Federal ID:                | 352070473                    |
| Vendor Telephone Nbr:             | 765-825-0594                 |
| Name Of Contact Pers:             | VAUNI BLAUT                  |
| FAX Number:                       | 765-827-0362                 |

Name and Address of Vendor: ADVANTAGE FORD LINCOLN MERCURY  
Cnct: VAUNI BLAUT  
SERVICE INC  
PO BOX 639  
CONNERSVILLE IN 47331

| Line Number | Quantity      | UNIT                  | Article and Description   | Unit Price |
|-------------|---------------|-----------------------|---|------------|
|             |               |                       | Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00  |            |
| 22          | 99,999,999.00 | HUR000000000100048666 | Install one radio console, mounting hardware and parts necessary for proper installation in vehicle   | 22.0000    |
|             |               |                       | Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00  |            |
| 23          | 99,999,999.00 | HUR000000000100048667 | Remove rear warning lights such as "Traffic-Backers" or comparable equipment and associated wiring, controls and hardware   | 22.0000    |
|             |               |                       | Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00  |            |
| 24          | 99,999,999.00 | HUR000000000100048668 | Install rear warning lights such as "Traffic-Backers" or comparable equipment and associated wiring, controls and hardware  | 64.8000    |
|             |               |                       | Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - Two hours at a cost of \$64.80 (\$20.80 included for miscellaneous parts)<br>Car must be included for materials |            |
| 25          | 99,999,999.00 | HUR000000000100048669 | Remove front facing warning lights such as "Wig-Wag", "Traffic-Flasher" or comparable equipment and associated wiring, controls and hardware  | 22.0000    |
|             |               |                       | Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - 1/2 hour (0.50) at a cost of \$22.00  |            |
| 26          | 99,999,999.00 | HUR000000000100048670 | Install front facing warning lights such as "Wig-Wag", "Traffic-Flasher" or comparable equipment and associated wiring, controls and hardware   | 64.8000    |
|             |               |                       | Unit price listed is the amount for the estimated time to complete this service.<br>Estimated Hours to Complete Job - One hour at a cost of \$64.80 (\$20.80 included for miscellaneous parts)<br>Car must be included for materials  |            |
| 27          | 99,999,999.00 | EA 000000000100048671 | Replace 800 MHz antenna with new Motorola 3 db gain or better   | 26.0000    |
| 28          | 99,999,999.00 | EA 000000000100048672 | Replace 155 MHz antenna with new 3 db gain or better  | 36.9000    |
| 29          | 99,999,999.00 | EA 000000000100048673 | Replace 42 MHz antenna with new unity gain base load antenna or better  | 40.5000    |

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# Appendix A

## INDOT Regulations

### Emergency Vehicle Designation

- Required Conditions -

#### Chapter 20. Designation of Authorized Emergency Vehicles

IC 9-21-20-1

Emergency vehicle; designation; prohibited vehicles

Sec. 1. (a) The Indiana department of transportation may designate as an authorized emergency vehicle a vehicle:

- (1) other than an ambulance that is owned by a person other than a hospital; and
- (2) that is used in emergency service.

(b) The Indiana department of transportation may designate and authorize other emergency vehicles under the rules the department prescribes.

*As added by P.L.2-1991, SEC.9.*

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The following conditions must be met concerning Emergency Vehicle Designation Status:

- Vehicle(s) is authorized red lights & siren & other equipment authorized by IC 9-19-14.
- Vehicle(s) may not be used in a "pursuit mode".
- Vehicle(s) can only be used in the emergency mode while responding to an emergency or disaster.
- Vehicle(s) must be driven by licensed drivers trained in the safety and operation of emergency vehicles.
- Vehicle(s) is assigned emergency vehicle designation status by VIN# number which is non-transferable.
- Vehicle(s) is subject to any announced or unannounced inspection(s) conducted by any of the staff from the INDOT Public Safety Operations Division office at any time.
- Assigned approval numbers are vehicle specific. The sponsoring agency is responsible to notify this office when any vehicle assigned Emergency Vehicle Designation is taken out of service, replaced, or removed from fleet.
- Sponsoring agency is responsible to provide training for the safe and legal operation by its drivers.
- Sponsoring agency is responsible to maintain the safe mechanical operating condition of the vehicle(s).
- Sponsoring agency is legally responsible for the operation(s) of certified vehicle(s).

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Misrepresentation of said vehicle(s), abuse of privilege, or violation of the continued legal and safe operation of such vehicles constitutes grounds for suspension or revocation of emergency vehicle status

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The approval letter and a copy of this document shall be carried in the vehicle and made available to any authority upon request.

< INDOT official seal >

*Guy W. Boruff*

Guy W. Boruff  
Director Public Safety Operations  
Traffic Management Business Unit  
Indiana Department of Transportation

## **IC 9-13-2-6**

### **Authorized emergency vehicle**

Sec. 6. "Authorized emergency vehicle," means the following:

(1) The following vehicles:

(A) Fire department vehicles.

(B) Police department vehicles.

(C) Ambulances.

(D) Emergency vehicles operated by or for hospitals or health and hospital corporations under IC 16-22-8.

(2) Vehicles designated as emergency vehicles by the Indiana department of transportation under IC 9-21-20-1.

(3) Motor vehicles that, subject to IC 9-21-20-2, are approved by the Indiana emergency medical services commission that are:

(A) ambulances that are owned by persons, firms, limited liability companies, or corporations other than hospitals; or

(B) not ambulances and that provide emergency medical services, including extrication and rescue services (as defined in IC 16-18-2-110).

(4) Vehicles of the department of correction that, subject to IC 9-21-20-3, are:

(A) designated by the department of correction as emergency vehicles; and

(B) responding to an emergency.

*As added by P.L.2-1991, SEC.1. Amended by P.L.1-1992, SEC.35; P.L.2-1993, SEC.64; P.L.8-1993, SEC.165*

**IC 9-21-20-1**

**Emergency vehicle; designation; prohibited vehicles**


Sec. 1. (a) The Indiana department of transportation may designate as an authorized emergency vehicle a vehicle:

(1) other than an ambulance that is owned by a person other than a hospital; and

(2) that is used in emergency service.

(b) The Indiana department of transportation may designate and authorize other emergency vehicles under the rules the department prescribes.

*As added by P.L.2-1991, SEC. 9.*



## Emergency Vehicle Designation - Request Procedures

### Request:

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- *Written on Agency letterhead*
- *State the vehicle(s) intended use*
- *Provide sufficient justification*

### Vehicle info:

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- *Provide Copy of the Vehicle(s) Registrations(s), which clearly show:*
  - *Vehicle(s) VIN #(s)*
  - *Vehicle Make/Model/Year*
  - *License Plate information*

### Acknowledgements:

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- *Provide acknowledgement that "vehicle(s) will never be used in a pursuit"*
- *Provide acknowledgement that your "agency will insure only trained personnel will operate vehicle(s)"*
- *Provide acknowledgement that "vehicle(s) will be driven with due regard for Public Safety"*

### Contact info:

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- *Include Contact Tx #*
- *Include Mailing Address*
- *Include e-Mail address*

### Submittals - Send requests to:

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Guy Boruff

Director Public Safety Operations

Traffic Management Business Unit

8620 E. 21st Street

Indianapolis, IN 46219

### Expect <30 day response

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*Any additional questions or for any followup:*

Office: 317.899.8605

e-Mail: [gboruff@indot.in.gov](mailto:gboruff@indot.in.gov)



Start **402 W Washington St  
Indianapolis, IN 46204**

End **9200 E 146th St  
Noblesville, IN 46060**

Travel **24.2 mi – about 32 mins**



**A** **402 W Washington St  
Indianapolis, IN 46204**

Drive: 24.2 mi – about 32 mins

1. Head **west** on **W Washington St** toward **N West St** 125 ft
- ➔ 2. Turn **right** at **N West St** 0.6 mi  
2 mins
3. Continue on **N Dr Martin Luther King Jr St** 0.5 mi  
1 min
4. Take the **I-70 E/I-65 S** ramp 0.5 mi  
2 mins
5. Merge onto **I-65 S** 0.8 mi  
1 min
6. Take exit **112A** to merge onto **I-70 E** toward **Columbus O.** 5.2 mi  
7 mins
7. Take exit **89** to merge onto **I-465 N/IN-37 N/US-31 N/US-421 N/US-52 W** 8.0 mi  
9 mins
8. Take exit **37** to merge onto **I-69 N/IN-37 N** toward **Ft. Wayne** 4.8 mi  
5 mins  
Continue to follow I-69 N
9. Take exit **5** for **IN-37 N/116th St** 0.2 mi
- ← 10. Slight **left** at **IN-37 N** (signs for **IN-37 N/Noblesville**) 3.5 mi  
4 mins
- ← 11. Turn **left** at **E 146th St** 0.2 mi  
2 mins

**B** **9200 E 146th St  
Noblesville, IN 46060**

These directions are for planning purposes only. You may find that construction projects, traffic, or other events may cause road conditions to differ from the map results.

Map data ©2008 NAVTEQ™

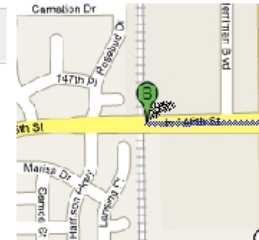
#### Overview



#### Start



#### End



Map data ©2008 NAVTEQ™

<http://maps.google.com/maps?f=d&hl=en&geocode=&saddr=402+W+Washington+St,+In...> 4/16/2008